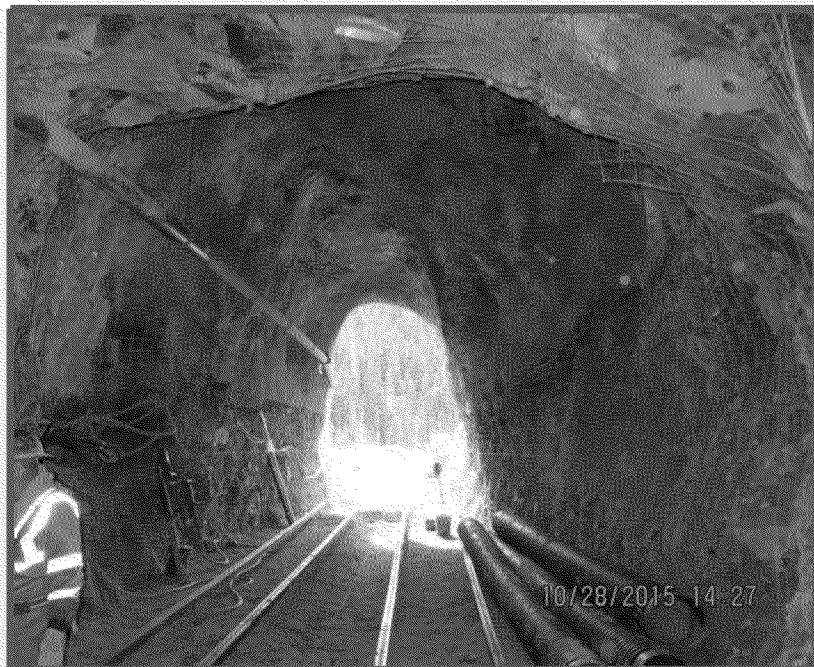


SITUATION REPORT
 INCIDENT COMMAND POST GOLD KING
 GOLD KING MINE INCIDENT RELEASE
 U.S. ENVIRONMENTAL PROTECTION AGENCY
 AGENCY



Stabilization activities inside Gold King Mine adit (28 October)

Subject: EXECSUM / SITREP #48
 Gold King Mine Incident Release
 San Juan County, Colorado
 Latitude: 37.8945 Longitude: 107.6244

From: Situation Unit, Incident Command Post Gold King
Date: 03 November 2015
Reporting Period: 0700 27 October 2015 through 00870 November 2015
Website: www.epa.gov/goldkingmine



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Gold King Mine Release
ICP Gold King

For	Internal	Use	Only
EXECUTIVE	SUMMARY		
Situation Summary			
EPA Region managing the is Gold King . Ongoing field activities include water treatment site.			
and winterization activities at the Gold King Mine/Gladstone			
Highlights, Key Updates/Changes			
<ul style="list-style-type: none">EPA Region 8 continues to work through action items identified transition part of the operations to ion EPA 8. RegAs of 02 November Region 8 mailing contains analytical results for private properties where Use and/or EPA drinking collected water sediments samples.			
Objectives			
<ul style="list-style-type: none">Ensure health and safety of the public and responders.Continue private water deliveries to homes with Primary MContinue to facilitate transition cooperative agreement between San Juan Basin Health Department (SJBHD), Colorado Department of Public Health and Environment (CDPHE), Colorado Office of Emergency Management Region (OEM) 8. tContinue work the action items identified transition operations of to the EPA Region 8.Continue coordination federal, state, tribal and local stakeholders.Prepare to conduct future sampling activities with the Monitoring Plan.Mine Operations<ul style="list-style-type: none">A pipeline is conveying water Gold King Mine the ponds en route to the Gladstone water treatment system.Treatment system including the tiered solid dewatering Geotube areas operational. System is currently treating to 550 gallons minute per (gpm).Construction of winterization building is approximately 50%Final grading is in progress around the Ponds and access , roofing with seed and matting applicationRed and Bonita Ponds reclamation is ongoing.Once winterization of the system is complete in November 2015, mine operations will transition to U.S.A. EPA will operate follow up actions to be conducted in other spring winter during the system operation period.			



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Command Emphasis

For is operational period, the command emphasis

- Safety of responders and the public
- Visitors to the required site to a going through a Mindanao safety briefing
- Personnel entering Southern Ute Tribe land must by taffa from southern Ute
- Ensure information flow between ICP and Stakeholders is timely

The metrics in provided Situation Report represent quantities from reported 0700 27 October 2015 through 0700 03 November 2015. Highlighted text and metrics from previous Press SITREP releases presented in Attachment 1.



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1.0 BACKGROUND

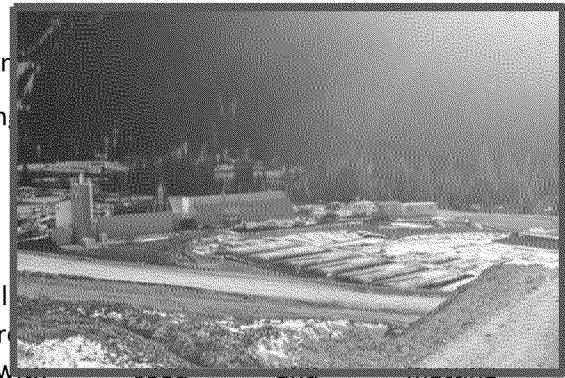
The Gold King Mine (GKM) near Silverton, Colorado is a historic gold mine at an elevation of approximately 11,300 feet above mean sea level. The mine is an adit. The Animas River flows into the creek and contains sediment and metals. On 5 August 2015, an estimated 30 million gallons of wastewater containing sediment and metals was suddenly released from the mine into the Animas River, and eventually flows into the Colorado River. US EPA continues to investigate the release.

2.0 OPERATIONS

2.1 Minetions Oper

2.1.1 Current Mine Operations

- A pipeline is conveying water from Gold King Mine to the Gladstone ponds en route to the water treatment system.
- Treatment system operations (including tiered solid dewatering pad) are continuing between 550 and 600 gal/min.
- Final grading is in progress and access road, along with application.
- Red and Bonita pond reclamation is ongoing.
- Winterization of the treatment system is currently continuing until approximately November 2015. Construction of the winterization building is approximately 50% complete.
- Completed filling of the emergency pond at Gold King Mine.
- Water quality parameters are being monitored daily at locations including:
 - Interim Gladstone Treatment System - - - Discharge 150 ft (GSTO) upstream Creek (CC20).
 - Cement Creek - - - (CC20) 250 ft upstream of GSTO downstream of CC18.
 - Cement Creek - 1,000 ft upstream from the confluence Cement Creek.
- START personnel are conducting periodic influent readings to Gladstone ponds (GSTI).



Gladstone treatment system
reclamation is ongoing.
Winterization currently continuing until approximately November 2015. Construction of the winterization building is approximately 50% complete.
Completed filling of the emergency pond at Gold King Mine.
Water quality parameters are being monitored daily at locations including:
Interim Gladstone Treatment System - - - Discharge 150 ft (GSTO) upstream Creek (CC20).
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2.1.2 Mine Operations Activities

A partial list of mine operations activities include:

- GKM Portal
 - Additional Grading Activities
 - Security Gate Installation
 - Additional culvert work on Cement Creek at first
- Additional Road Grading throughout operations areas
- North Fork Creek Conditional minor stream bank cleanup
- Additional Reclamation activities (seed, compost, etc.) in area south of Red and settling ponds
- Upper Gladstone Area
 - Additional drainage and reclamation activities
 - Installation additional a fencing and at site Gladstone Ponds
- General grading on county roads from Gladstone to Red

2.2 River Sampling

U.S. EPA future sampling according to the Monitoring Plan. The Plantable below summarizes operational activities for surface sediment water sampling. Sample based on the SCRIBE database, and include field samples.

Matrix	U.S. Region	Quantity						
		Oct. 2015				Nov.		Cumulative
		27	28	29	30	31	1	
Surface Water Samples	8	0	0	0	3	0	0	702
	6	0	0	0	0	0	0	561
	9	0	0	0	0	0	0	310
	Total	0	0	0	3	0	0	1,573
Sediment Samples	8	0	0	0	0	0	0	349
	6	0	0	0	0	0	0	553
	9	0	0	0	0	0	0	256
	Total	0	0	0	0	0	0	1,158

2.3 Private Well Sampling

U.S. EPA has collected and analyzed samples from private drinking and San Juan River. There has been no sampling of private drinking water wells during the first sampling event. Private samples that have metals concentrations greater than the MCLs and were collected for private drinking water wells during the first sampling event sampled a second time to In conforReg &he thanalyticdecond resultsound given proper were collected U.S. from EPA theas tapotified L residents that. The table below provides summary of private drinking water sampling completed during this operational period.



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Table 2 – Private		Drinking		Water		Well		Sampling			
Matrix	U.S. EPA Region	Quantity									
		Oct. 2015				Nov.		Cumulative			
		27	28	29	30	01	02				
Private Collected (from samples)	Drinking Water SCRIBE,	8 includes	0	0	0	0	0	449			
		6	0	0	0	0	0	309			

Notes: Some residential multiple results letters
Some residential sampling included surface water and/or sediment sampling.

Table 3 -Summary of Wells with		
Matrix	U.S. EPA Region	Cumulative
Wells containing contaminant concentrations above second sampling event	8 MCLs	4 during 1*
	6	

*Note: One well in Region 6 exceeded the MCL for lead and New Mexico and the U.S. EPA, it was not detected that the GKM incident.

2.4 Mitigation Activities

No public water systems are currently affected ICPGK by continued releases to coordinate and deliver bottled drinking water to residences in Region 1. The table below summarizes other public support activities completed.

Table 4-Completed Public Support (Cumulative)		
Activity	U.S. Region	Qty. (gal)
Potable Water Delivery	8	105,600
	8	133,770
Livestock / Agricultural Deliveries	6 Water	1,104,990
	9	218,400
	BIA	975,888
Agricultural Food Delivery	6	244
	9	8,448
Agricultural Salt Block	8	500

2.4.1 Water Tank

On or about 15 August 2015, black livestock tanks from ERRS contractor to certain locations on the Navajo Reservation. Mine resident U.S. EPA has of 15 tanks from the Navajo Reservation.

2.4.2 Other Mitigation Activities

No other activities reported.



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3.0 PLANNING

3.1 Environmental Unit

As of 02 November 2015, EPA collected sediment samples at the analytical completed results mining site where U.S. EPA and/or drinking water properties.

3.2 Resources

The table below summarizes staffing numbers for the Mine Site.

Table 5 -Personnel Site as of 30 Oct		
Location	Agency / Entity	Number Personnel
Mine Operations	U.S. EPA	2
	USCG	3
	U.S. EPA Contractors (ST)	2
	U.S. EPA (Other Days) average	30
	Visitors	7
Total		44

USCG = U.S. Coast Guard

4.0 FINANCE

4.1 Estimated Response Costs to Date

The table below summarizes estimated costs for November 2015 response.

Table 6 -Estimated Response Costs		Reported October 2015 of			
U.S. Region	U.S. EPA Cumulative Expended Payroll	U.S. EPA Cumulative Expended Travel	U.S. EPA Cumulative Other Charges	U.S. EPA Cumulative Contractors Cost	Total Cumulative Costs
8	\$1,272,198	\$294,369	\$46,109	\$8,064,115	\$9,676,791
6	\$649,858	\$120,141	\$12,989	\$2,832,514	\$3,615,502
9	\$294,057	\$81,894	\$0	\$2,543,671	\$2,919,622
Total	\$2,216,113	\$496,404	\$59,098	\$13,440,300	\$16,211,915

4.2 Estimated Burn Rates

The table below summarizes estimated burn rates for the response.

Table 7 -Estimated Daily asBurn of Rate	
U.S. EPA Region	Estimated Average Daily Burn
8	\$35,000
6	\$ -
9	\$8,920
Total	\$43,920

5.0 LOGISTICS

Logistics completed demobilization the ICPGK facility in Old Frady, Colorado October 2015.



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6.0 SAFETY

Safety did any recordable report injuries during illnesses operational period

7.0 PUBLIC INFORMATION

7.1 Community Engagements Public Events

Community engaged public p events occurred during d:this period include
• Animas River Stakeholders Meeting - - - 2015

7.2 VIPs/Congressional Visits

7.2.1 Occurred Events
VIP / Congressional visits that occurred during this period include
• None.

7.2.2 Anticipated Events

The table below summarizes known site visits and scheduled for the next 14 days.

Table 8 -Anticipated		Site	Visits	and	Public	Even
No	Events	Planned	Event		Anticipated	Date
	Scheduled				N/A	

7.3 Call Center Notification Plan

U.S. Headquarters continues to operate 607 9700 National call center
Personnel at the in EPA number Region are 8 Call Engaging Mine the Stakeholder
and Notification Plan

8.0 LIAISON

The list below summarizes regional local entities participating in the response

U.S. EPA
U.S. Coast Guard (USCG)
U.S. Geological Survey (USGS)
U.S. Army Corps of Engineers (USACE)
U.S. Bureau of Reclamation (USBOR)
U.S. Fish and Wildlife Services (USFWS)
Colorado Office of Emergency Management (OEM)
Colorado Department of Public Health and Environment (CDPHE)
New Mexico Environment Department (NMED)
New Mexico (NM) Department of Health
NM Office of the State Engineer
NM Department of Game and Fish
State of Utah
State of Arizona
City of Durango



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La Plata County
San Juan County
San Juan Health Department
County of - San Mexico
Southern Ute Indian Tribe (SUIT)
Navajo Nation

9.0 SOURCE OF ADDITIONAL INFORMATION

For additional information www.epa.gov/goldkingtire.



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ATTACHMENT 1
PRESS RELEASES



Exec.

Sum/SITREP

November

03 Gold King

Mine Gold

2015)

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King

PRESS

RELEASE

#1

Gold King Mine Data, October 28, 2015

Free viewers may be needed to access information linked on

Free viewers from Gold King Mine Response

Surface water and sediment are now below recreational screening system as a whole event being maintained at pre

It is important to keep in mind that metal concentrations Fluctuations occur whether and other events that change water can also occur if sediments are accumulating at a being washed away by the next high water event.

As for any response set to transitions to evaluations, EPA will continue abnormal occurrences of metal based concentration exceedances

This data submission presents data for sediment and samples collected

EPA has reviewed include the comparison to the screening levels for below use. The metal concentrations of the samples are sed are being maintained. Based on previous monitoring events that metal concentrations may fluctuate from time to time or other events that may may change the water flow rates

• Open or download Region data Sediment Summary pgTable 24 10032015

This Juan data submission presents data for surface water samples Surface water samples

EPA has reviewed include the comparison to the screening levels for below use. The metal concentrations of the samples are sed are being maintained. Based on previous monitoring events that metal concentrations may fluctuate from time to time or other events that may may change the water flow rates

• Open or download Region the 9 data Surface file: Water Summary pgTable 65 100